Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/13/2022 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124429	-1	1.39	124354	1.34
Blue	F	SSC	125000	122202	-3	2.43	122654	2.26
Blue	E	FITC	14284	13787	-4	2.22	386	13.18
Blue	D	PE	23919	23382	-3	1.64	556	10.67
Blue	B	PerCP-Cy5-5	31332	30880	-2	2.93	883	14.90
Blue	A	PE-Cy7	22272	22290	0	4.94	463	31.12
Red	C	APC	47768	47290	-2	2.64	1626	11.42
Red	A	APC-Cy7	25313	24403	-4	3.02	693	12.22
Violet	B	V450	7085	6789	-5	3.50	472	10.89
Violet	A	V500	26969	26020	-4	3.09	889	7.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23716	2.92	581	-8	N/A	N/A	Pass
Blue	F	SSC	54757	1.89	519	-2	N/A	N/A	Pass
Blue	E	FITC	58	50.63	491	-10	0.0432	0	Pass
Blue	D	PE	108	39.02	488	-9	0.3707	267	Pass
Blue	B	PerCP-Cy5-5	140	42.36	578	-10	0.0201	106	Pass
Blue	A	PE-Cy7	77	79.62	626	-9	0.0212	0	Pass
Red	C	APC	339	26.04	574	-6	0.0288	207	Pass
Red	A	APC-Cy7	130	36.03	546	-9	0.0067	1930	Pass
Violet	B	V450	81	44.48	452	-11	0.0661	2395	Pass
Violet	A	V500	105	28.79	463	-11	0.0278	652	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.69	-31.36	1.02
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.97	13.90 - 20.86	N/A	N/A	29.77	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 12689

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments